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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/601,762 | FULTON ET AL. | |
| | Examiner | Art Unit | |
| | John H. Le | 2863 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's amendment filed 02/02/2005.
2. ☒ The allowed claim(s) is/are 1 and 3-6.
3. ☒ The drawings filed on 02 February 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date <u>08/23/2004</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Response to Amendment

1. Applicant's amendment filed 02/02/2005 has been entered and carefully considered.

Claims 1 and 3-5 have been amended.

Claim 2 has been canceled.

The new drawings of figures 1-3 have been submitted.

Reasons for Allowance

2. Claims 1 and 3-6 are allowed.
3. The following is a statement of reasons for the indication of allowable subject matter:

In combination with other limitations of claims, the cited prior arts fail to teach an apparatus for measuring the temperature in an appliance, wherein the apparatus comprising first and second resistors coupled in series between the voltage supply and ground to form a first voltage divider, the junction of the first voltage divider being coupled to an input of a microprocessor so as to provide a signal indicative of the voltage across the first resistor, wherein the first and second resistors each comprise one or more individual resistors interconnected by one or more jumpers to provide suitable resistance values corresponding to the supply voltage, and a third resistor coupled in series with the temperature transducer between the voltage supply and ground to form a second voltage divider, the junction of the second voltage divider being coupled to an input of the microprocessor so as to provide a signal indicative of the voltage across the temperature transducer; wherein the microprocessor determines a

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temperature using the voltage across the temperature transducer and the second resistor to determine the resistance of the temperature transducer, as recited in amended claim(s) 1. It is these limitations as they are claimed in the combination with other limitations of claim, which have not been found, taught or suggested in the prior art of record, that make these claims allowable over the prior art.

In combination with other limitations of claims, the cited prior arts fail to teach an apparatus for measuring the temperature in an appliance, wherein the apparatus comprising first and second resistors coupled in series between the voltage supply and ground to form a first voltage divider, the junction of the first voltage divider being coupled to an input of a microprocessor so as to provide a signal indicative of the voltage across the first resistor; and a third resistor coupled in series with the temperature transducer between the voltage supply and ground to form a second voltage divider, the junction of the second voltage divider being coupled to an input of the microprocessor so as to provide a signal indicative of the voltage across the temperature transducer; wherein the microprocessor determines a temperature using the voltage across the temperature transducer and the second resistor to determine the resistance of the temperature transducer; and the microprocessor determines the temperature using a look-up table correlating the resistance of the temperature transducer to the temperature, as recited in amended claim(s) 5. It is these limitations as they are claimed in the combination with other limitations of claim, which have not been found, taught or suggested in the prior art of record, that make these claims allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John H. Le whose telephone number is 571-272-2275. The examiner can normally be reached on 8:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Barlow can be reached on 571-272-2269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John H. Le

Patent Examiner-Group 2863

February 25, 2005

BRYAN BUI
PRIMARY EXAMINER


3/2/05